

Abstract

A liquid coating material in the form of a water-in-oil dispersion which is curable with actinic radiation, is substantially or completely free from organic solvents and has a pH < 5, comprising

- (A) at least one constituent selected from the group consisting of low molecular mass, oligomeric, and polymeric organic compounds which contain at least one group which can be activated with actinic radiation, and also air-drying and oxidatively drying alkyd resins,
- (B) at least one acidic ester of polyphosphoric acid and at least one compound (b1) containing at least one hydroxyl group and at least one group which can be activated with actinic radiation,
- (C) at least one acidic ester of monophosphoric acid and at least one compound (c1) containing at least one hydroxyl group and at least one group which can be activated with actinic radiation, and
- (D) at least one acidic, corrosion-inhibiting pigment based on polyphosphoric acid;

process for its preparation, and its use as a coil coating primer.